									DQA:	Date:		
NCR:	res / No				WORK ORDER NON-	CONFOR	MANCE / UP	DATE				
									QA Closed:	Date:		
Work Orde	or:				DISPOSITION			AGAINST DE	PARTMENT,	/PROCESS		
Part N	ło				Rework Scrap Use-as-is Work Order Update	Ther	Skid-tube Machining moforming Large Fab	Crosstube Small Fab Finishing Composite	4	Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other	
					Work order opgate			composite[] Supplied				
Root				Descri	ption of work order update	Initial	Ac	ction	Sign &			
Cause	Date	Step	Qty	C	or Non-conformance	Chief Eng	Desc	ription	Date	Verification	QC Inspector	
Doc/Data												
Equip/Tooling												
Operator							,					
Material [
Setup						İ						
Other		1						•				
Process							ļ					
Supplier			•									
Training					ı							
Unapproved					1							
					F	AULT CATI	GORY					
Landi	ng Gear				General							
	Bending				Bend	Grain			Ovalized		Pressure/Forced	
	Centre N	lot Conce	ntric to	o/s	BOM/Route	Hardw	are		Over/Under	tolerance	Temperature/Cure	
	Cracks				Broken/Damaged	Inspec	tion Incomplete		Part Incorre	ct	Weld	
	Crushed	/Crimped			Burrs	Instruc	tions Incomplete/	/Unclear	Part Lost/M	issing	Wrong Stock Pulled	
	Cuffs				Contamination		enance		Part Moved	- <u>L.</u>		
	Heat Treat			Countersink	Mislab	eled		Positioned V	Vrong			
	Inspecti	on Strip in	Tube		Cut Too Short	Misrea	d		Power Loss/		Other	
	Ripples	n Bend			Drill Holes	Offset	Offset			L	•	

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

140

Identify as per dwg & Stock Location: 0.00

110 Packaging .

Memo

0.00

Packaging

										DQA:	Da	te: _	
NCR: Y	'es / No				WORK ORDER NON-O	CONFO	RN	MANCE / UPDATE		•	· · · · · · · · · · · · · · · · · · ·	_	•
						.				QA Closed:	Da	te:	
Work Orde	ar.				DISPOSITION			AGAINS ⁻	T DE	PARTMENT,	PROCESS		
······································					Rework	j	•	Skid-tube Crosstube	e []	Water Jet		Engineering
Part N	10.				Scrap	1		Machining Small Fal	-	Pro	d. Eng. Coor.	\Box	Quality
					Use-as-is	The	erm	oforming Finishing	g	Rec/Stor	e/Packaging		Other
NCR N	No		 		Work Order Update]	I	Large Fab Composite	e []	Supplier		
Root				Descri	ption of work order update	Initia	1	Action		Sign &			
Cause	Date	Step	Qty	(or Non-conformance	Chief E	ng	Description		Date	Verificatio	n	QC Inspector
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					- F.	AULT CA	TEG	ORY					
Landi	ng Gear				General					_			
	Bending				Bend	Grai	n			Ovalized			Pressure/Forced
	Centre No	ot Conce	ntric to	o/s	BOM/Route	Hard	lwar	re		Over/Under	tolerance		Temperature/Cure
	Cracks				Broken/Damaged	Inspe	ectio	on Incomplete		Part Incorre	ct		Weld
	Crushed/	Crimped.			Burrs	Instr	ucti	ons Incomplete/Unclear		Part Lost/Mi	ssing		Wrong Stock Pulled
ĺ	Cuffs				Contamination	Mai	ntei	nance		Part Moved			
	Heat Trea	nt			Countersink	Misla	abel	ed	Г	Positioned V	Vrong		
	Inspection	n Strip in	Tube		Cut Too Short	Misr	ead			Power Loss/	Surge		Other
	Rinnles in	Rend			Drill Holes	Offse	Offset						•

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Work Orde September-21-12				*906	327*							Page 3
Item ID: Revision ID: Item Name:	D4062-1 Upper Tank	Support		Accept	*N9000	າ40	100)*	Setup	Start Stop	14.	S1* S2*
Start Date: Required Date: Reference:	9/21/12 10/19/12	Start Qty: 4.00 Req'd Qty: 4.00	*4* *4*	i	Cust Item II Customer:) :						
Approvals:	Process P QC:	lan:	Date:	Tooling: SPC (Y/N):	Da				Run	Start Stop	*N *N	R1* R2*
Sequence ID/ Work Center II	D	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accep Qty	t Re Qt	•	Reject Number	Insp. Stamp
*150 *150* QC Quality Control		QC21- Final Inspection Memo	- Work Order Release	0.00					13	3/1 M	110C	(-01-08

												DQA:	Date	<u>:</u> :	
NCR:	Yes	/ No				WORK ORDER NON-	COI	NFORI\	AANCE / UP	DATE		•			, 1910
												QA Closed:	Date	2:	
Work Ord	or.					DISPOSITION				AGAIN	ST DE	PARTMENT	PROCESS		
Part I	- . No					Rework Scrap Use-as-is Work Order Update		N Therm	Skid-tube Machining oforming Large Fab	Crosstul Small Fa Finishi Composi	ab		Water Jet d. Eng. Coor. re/Packaging Supplier		Engineering Quality Other
Root					Descri	ption of work order update		Initial	Ad	ction		Sign &			
Cause		Date	Step	Qty	C	or Non-conformance	Ch	nief Eng	Desc	ription		Date	Verification	\perp	QC Inspector
Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved															
							AUI	T CATE	GORY						
Landi		Bending Centre No Cracks Crushed/ Cuffs Heat Trea Inspectio	Crimped. It n Strip in)/S	General Bend BOM/Route Broken/Damaged Burrs Contamination Countersink Cut Too Short		Instructi Mainte Mislabe Misread	on Incomplete ions Incomplete, nance led	/Unclear		Ovalized Over/Under Part Incorred Part Lost/Mi Part Moved Positioned V	ct ssing Vrong	Te W W	ressure/Forced emperature/Cure /eld /rong Stock Pulled ther
1	1	Ripples in	Bend			Drill Holes	1	Offset							

Out of Calibration

Out of Sequence

Outside Dimensions

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drawing

Finish

Folio

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Picklist Print

September-21-12 9:59:56 AM

Work Order ID:

90627

Parent Item:

D4062-1

Parent Item Name:

Upper Tank Support

Start Date: 9/21/12

Required Date: 10/19/12

Page 1

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP REV:A NEW ISSUE 10-06-22 JLM VERIFIED BY:DD

IPP REV:B AS PER REV B 11-

	11-23 JLM VERIF	TED BY:DD	IPP RE	V:C AS PER	REV C 12-03-	-08 JLM VER	IFIED BY:	DD					
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MUHMWB10 UHMW 1" Black		Purchased	No			,	sf	249.7100		14.4 14.4			JMB-10
				Location		Loc Qty	<u>L</u> c	oc Code					
				MAT018		226.6							
				118	3814	0							
				120)972	1							
					1346	27.1							
				12	1954	12.8							
				12:	2286	14.3							
	•			12:	2575	23.8							
				12:	2722	147.6			123	2722			
				MAT019		1.5							
				113	8814	1.5							
				ST052		21.60999474							
				12	1277	12.8							
•				12	1278	8.80999474							

											DQA:	Dat	ie:	
NCR:	/es	/ No				WORK ORDER NON-	CO	NFORM	MANCE / UPDATE		•			
									-		QA Closed:	Dat	ie:	
Work Orde	. r.					DISPOSITION			AC	GAINST DE	PARTMENT	PROCESS		
Work Orde	: 1.					Rework	٦		Skid-tube Cro	osstube		Water Jet		Engineering
Part !	do.					Scrap	1			nall Fab	Pro	d. Eng. Coor.	\dashv	Quality
raiti	١٥.					Use-as-is	1		~ <u>~</u>	inishing		e/Packaging	\dashv	Other
NCR I	Vo.					Work Order Update	1		·	nposite	1100/3101	Supplier		
			: : : :				_					''' [_	
Root					Descri	ption of work order update	ı	nitial	Action		Sign &			
Cause		Date	Step	Qty	(or Non-conformance	Ch	ief Eng	Description	1	Date	Verification	า	QC Inspector
Doc/Data														
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Other													Ī	
Process											,		,	
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Landi	ng (Gear				General		_						•
		Bending				Bend		Grain			Ovalized			Pressure/Forced
		Centre No	ot Concer	ntric to	o/s	BOM/Route		Hardwa	re		Over/Under	tolerance		Temperature/Cure
		Cracks			L	Broken/Damaged		Inspecti	on Incomplete		Part Incorred	ct		Weld
	l	Crushed/	Crimped.			Burrs		Instructions Incomplete/Unclear			Part Lost/Missing			Wrong Stock Pulled

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

Part Moved
Positioned Wrong

Power Loss/Surge

Other

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Cuffs

Heat Treat

Inspection Strip in Tube

Torque Waves in Extrusion

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

DART AEROSPACE LTD	Work Order:	90627
Description: Lower Tank Support	Part Number:	D4062-1
Inspection Dwg: D4062 Rev: C		Page 1 of 1

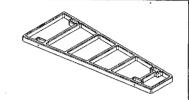
FIRST ARTICLE INSPECTION CHECKLIST

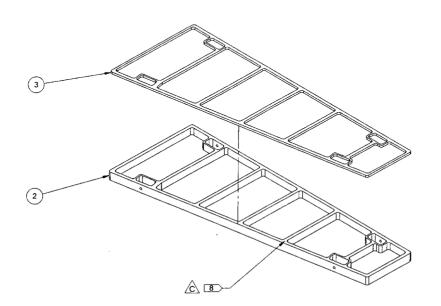
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
1.00	+/-0.030	1,010	V			74601
0.13	+/-0.030	1145	✓			31006
2.00	+/-0.030	2,002				Steol
1.00	+/-0.030	1.000				or .
0.35	+/-0.030	0.35	U			ų
R0.25	+/-0.030	RO.25	7			Qu'
0.38	+/-0.030	0.375	~			· od
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31.38	+/-0.030	31.362				((
28.30	+/-0.030	28.293	, -/			~1
26.30	+/-0.030	26.292				٧,
20.83	+/-0.030	20,817				٠(
15.51	+/-0.030	15.502				· ·
10.19	+/-0.030	10.187	~			11
5.07	+/-0.030	5.067	/			Her
3.07	+/-0.030	3071	~			<i>C</i> (

Measured by: Ote 1.4	Audited by:	S	Preliminary Approval:	
Date: 2012-12-17	Date:	13-01-04	Date:	

		Approved
**.	KJ	
	KJ ,	0 10
	KJ d	x M
-	•	VI a

ITEM NO.	QTY. -041	PART NUMBER	DESCRIPTION
1	X	D4062-041	TANK SUPPORT ASSEMBLY
2	1	` D4062-1	LOWER TANK SUPPORT
3	1	D4062-3	UPPER TANK SUPPORT





SHOP CORY RETURN TO ENGINEERING UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT NOTICE WORK ORDER NO. 90627 MLJ 12-09-21

С

D4062-041 TANK SUPPORT ASSEMBLY

В

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: N/A

6) IDENTIFICATION, IN/A
7) WEIGHT: 2.91 lbs
8) BOND ITEMS 2 & 3 TOGETHER USING PROSEAL 890 OR MIL-S-8802 CLASS B2 SEALANT &

REMOVE HARDWARE TO ATTACH ITEMS 2 & 3. REMOVE C'BORE. DC 11.12.14 MODIFIED DIMS & DESIGN OF -1, ADDED -3/-041 В DC 11.09.29 Α NEW ISSUE HS 10.07.26 REV. DESCRIPTION BY DATE

DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWN CHECKED DRAWING NO. REV. C D4062 MFG. APPR. SHEET 1 OF 3 APPROVED TITLE SCALE DE APPR TANK SUPPORT NTS DATE COPYRIGHT © 2010 BY DART AEROSPACE LTD 11.12.14

